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103.1.3 Fish

DATA REVIEW NUMBER: (ES) F-1

TEST: Fish acute 96-hr LC₅₀ (Warmwater)CHEMICAL: DOWCO 233 (Triclopyr) = Tech. Triclopyr JTL

TEST SPECIES: Bluegill sunfish

REGISTRANT: Dow Chemical Co. (Test conducted by Waste Control Lab,
Dow Chemical Co.)

DATE OF TEST: 29 Mar 73

ACCESSION NO.: 229783

EVALUATION CATEGORY: ~~Invalid~~ Core JTL.

CATEGORY REPAIRABILITY: Yes

RESULTS:

- (1) 96-hr LC₅₀ = 148 ppm.
- (2) 24-hr LC₅₀ = 150.5 ppm
- (3) No mortality at 145 ppm.
- (4) 85% mortality at 155 ppm.

ADDITIONAL TEST DATA:

- (1) A solvent was not used for introduction of toxicant into test dilution.
- (2) Twenty fish were exposed to each test concentration.
- (3) LC₅₀ was interpolated from a plotted line which connected the closest point on each side of 50% survival.

EVALUATION CATEGORY RATIONALE: This test was classified Invalid because the percent active ingredient (triclopyr) of the test material was not reported.

CATEGORY REPAIRABILITY RATIONALE: If the registrant can provide complete identification of the test material, this test may be upgraded to Core classification upon re-evaluation.

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DATA REVIEW NUMBER: (ES) G-1

TEST: Fish acute 96-hr LC_{50} (Coldwater)

CHEMICAL: DOWCO 233 (Triclopyr) = Tech. Triclopyr (JW)

TEST SPECIES: Rainbow trout

REGISTRANT: Dow Chemical Co. (Test conducted by Waste Control Lab,
Dow Chemical Co.)

DATE OF TEST: 29 Mar 73

ACCESSION NO.: 229783

EVALUATION CATEGORY: Invalid Core JW

CATEGORY REPAIRABILITY: Yes

RESULTS:

- (1) 96-hr LC_{50} = 117 ppm.
- (2) 24-hr LC_{50} = 120 ppm.
- (3) 10% mortality at 100 ppm.
- (4) 85% mortality at 135 ppm.

ADDITIONAL TEST DATA:

- (1) A solvent was not used for introduction of toxicant into test dilution.
- (2) Twenty fish per test concentration.
- (3) LC_{50} was interpolated from a line plotted between the closest point on each side of 50% survival.

EVALUATION CATEGORY RATIONALE: This test was classified Invalid because the percent active ingredient (triclopyr) of test material was not reported.

CATEGORY REPAIRABILITY RATIONALE: If the registrant can provide complete identification of the test material, this test may be upgraded to Core classification upon re-evaluation.

3/29/73

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103.1.4 Aquatic invertebrate:

DATA REVIEW NUMBER: (ES) H-1

TEST: Aquatic invertebrate acute 48-hr LC₅₀

CHEMICAL: Triclopyr (Technical)

TEST SPECIES: Daphnia magna

REGISTRANT: Dow Chemical Co. (Test conducted by Environmental Sciences Research, Dow Chemical Co.)

DATE OF TEST: 29 Mar 73

ACCESSION NO.: 229783

EVALUATION CATEGORY: Supplemental

CATEGORY REPAIRABILITY: Yes

RESULTS:

(1) 48-hr LC₅₀ = ^{132.9}~~1.32~~ (104.5-216.7) ppm.

ADDITIONAL TEST DATA:

- (1) Acetone solvent was used for introduction of toxicant into test dilution.
- (2) LC₅₀ calculated by Finney's method of probit analysis.

EVALUATION CATEGORY RATIONALE: This test was classified Supplemental because the researcher did not report:

- (1) The toxicant concentrations tested.
- (2) The 24-hr. mortality counts for each test concentration.

CATEGORY REPAIRABILITY RATIONALE: If the registrant can provide information to correct the above-noted deficiencies, this test may be upgraded in classification.

Upgraded to "Core"
1/19/79 GJL

GJL 8/1/78

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